MBoard Series

User's Guide

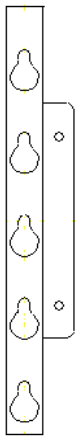
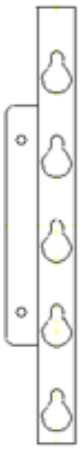
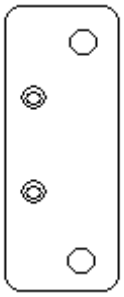
MagicLoon Creative Corp.

1.1 Specifications

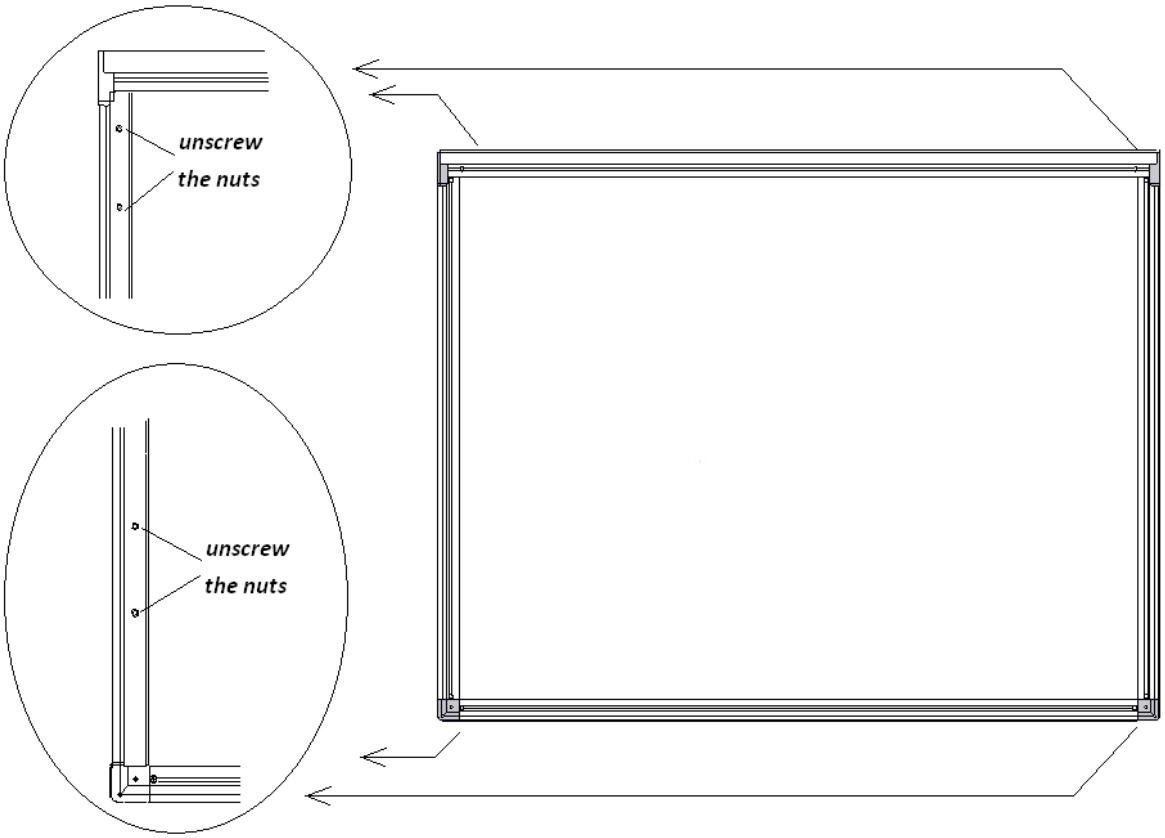
Product Name	**Interactive Whiteboard**
Size (inch)	78”(16:10), 87”(16:10)
Material Weight (kg)	78"=22kg , 87"=26kg
Dimension L*W*H (mm)	78" (1793*1193*53) , 87" (1943*1286*53)
Active area Dimension(mm)	78"(1680*1050), 87"(1831*1144)
Packaged Software	MBoard application software
Touch Technology	optical imaging
Response Speed	≤16ms
Sampling Rate	120PT/s
Touch Accuracy	±4mm
Resolution by USB report	32768*32768
Calibration	4 points/25 points
Touch Method	Special stylus pens, fingers, or any opaque objects
Mouse Simulation	Click, drag, double-click, right-click
Multi-touch	2-point-touch of Windows 7
Touch Times	Unlimited
Touch Activation Force	No pressure required
Power Supply	USB powered
Interface	USB2.0 B TYPE
Voltage	Typical +5VDC, permitted range from +4.75V to +5.25V
Current	<400mA
Antistatic	ESD: touch discharge±8kv, air discharge±15kv
Drift	No drift in the operating temperature
Standards	CE, FCC Class B
ROHS	Meet the standard of ROHS
Temperature	Operating: -15℃~55℃, storage: -40℃~75℃
Humidity	Operating: 10%~90% RH, storage: 10%~90% RH
Support Method	Wall-mounting/ Stand supporting
Operating Systems	Windows7, Windows XP, Windows vista, Linux ,MAC OSX

2.1Wall-Mounting Setup Method

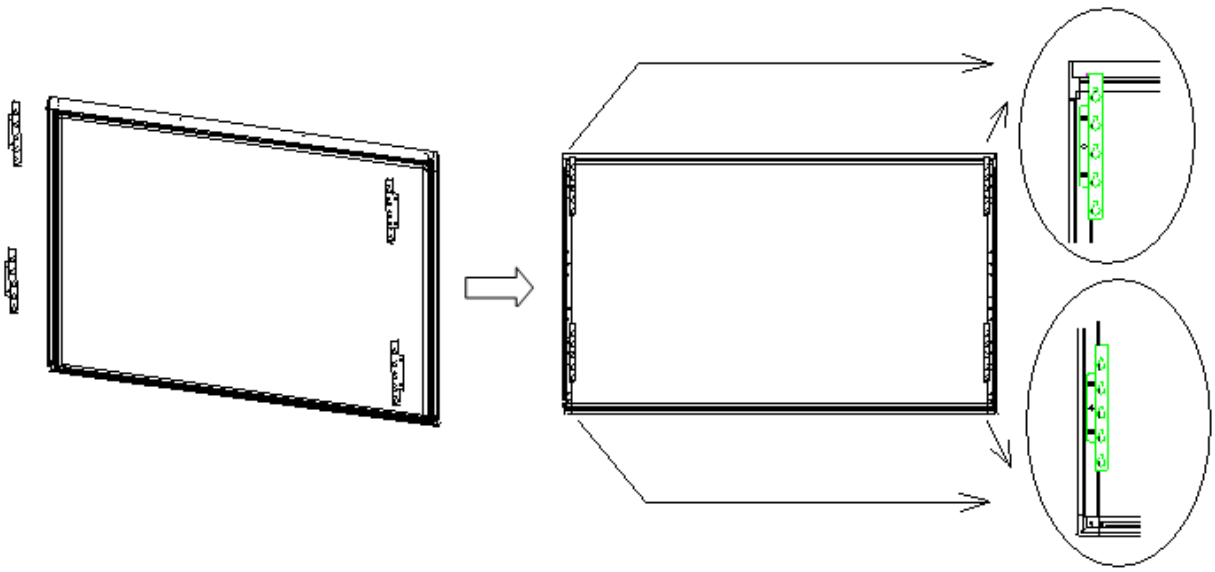
Notes: Three kinds of sheet metal parts will be used during the setting up, as shown in the following table:

Name	Sheet Metal Part-1	Sheet Metal Part-2	Sheet Metal Part-3	Expansion bolts
Figure				
Qty.	2	2	4	8

Step 1: Unscrew the nuts in the guiding limit on the back four corners of the board, as shown in:



Step2: Fix a pair of sheet metal part-1 and a pair of sheet metal part-2 to the guiding limit, using the nuts unscrewed in step 1, as shown in:

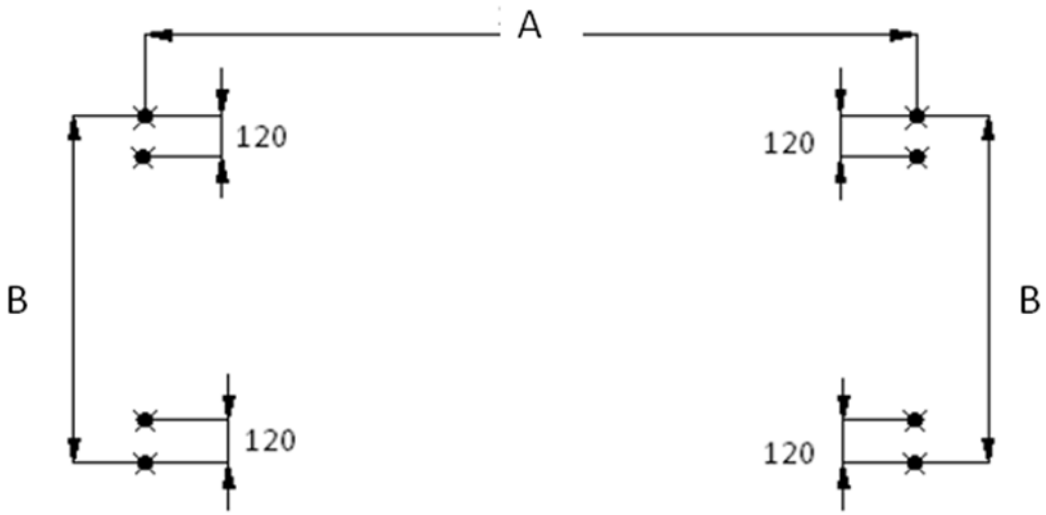


Step 3: Choose a flat solid wall, make eight 8mm diameter, **45mm** depth expansion bolt holes:

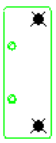
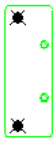
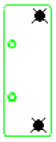
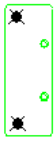
Notes: For different size of whiteboard (78", 87"), positions of the holes are different.

Please choose one according to the size of your whiteboard (unit: millimeter):

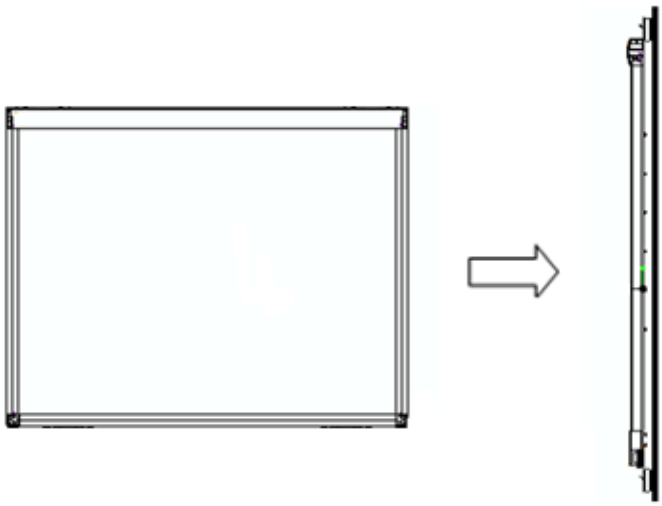
Inch	A- DIM	B- DIM
78"16:10	1618	940
87"16:10	1768.5	940



Step4:Using the expansion bolts drilled in step 3, attach four sheet metal part-3 to the wall separately, as shown in:

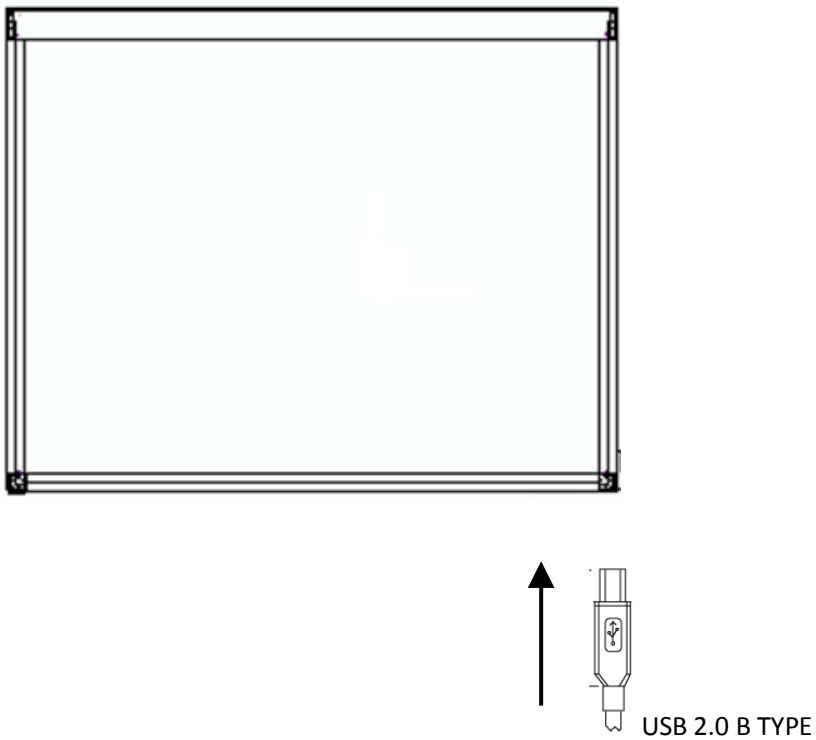





Step 5: Two persons lift the board and hang it to the sheet metal part on the wall, as shown in:

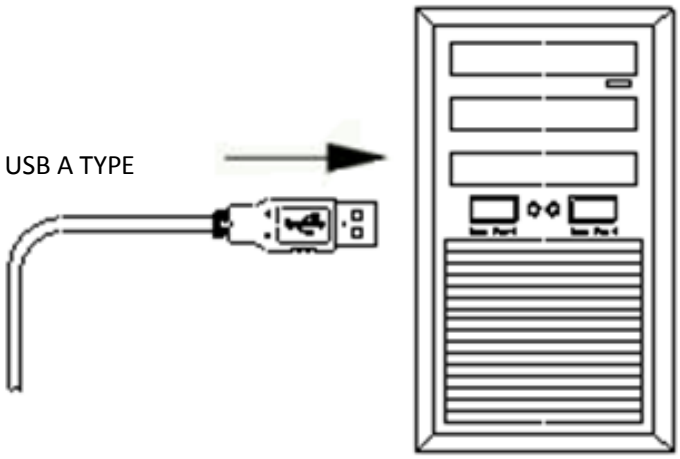


2.2 Equipment Connection Method

Step 1: Put the serial port of the USB cable to the interface on the lower right corner of the board, as shown in:



Step 2: Put the USB port of the USB cable to a USB port on the PC, as shown in:



3 Installation of Driver

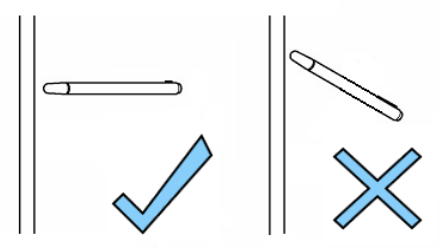
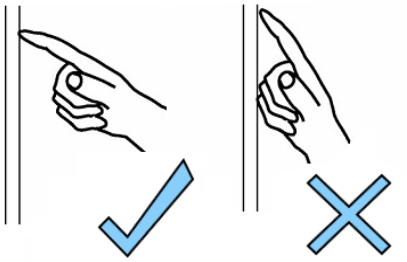
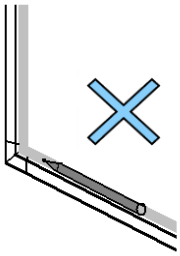
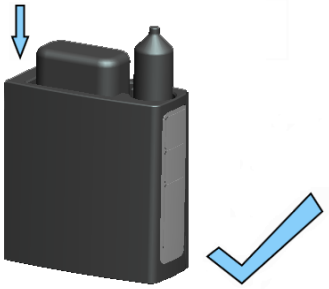
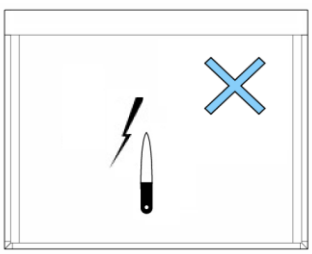
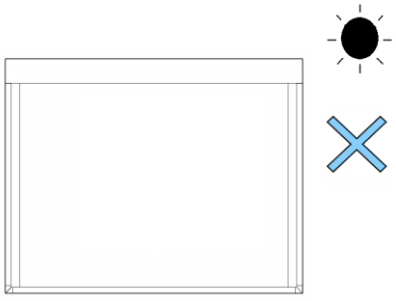
3.1 Purpose

This part will introduce you how to install driver of MBoard.

3.2 Driver installation

For detailed installation steps and settings of the driver, please refer to the driver CD.

4 Advices

<table>
<tr><td>Please assemble the product according to the steps in chapter 2. Do not make any adjusting, repairs, or modifications to the product not given in this User's Guide.</td><td>You can use a soft cloth dampened to clean the whiteboard. Please do not splash with water or chemical compounds, or it may result in damage or fire if water or chemical compounds get inside the product.</td></tr>
<tr><td>When you using stylus pens, fingers or other objects to write or operate on the whiteboard, please keep them vertical to the board.
  </td><td>Use the stylus pen of finger on the board with your body kept sufficiently away, so that your palm and elbow do not touch the board. Or it may cause an incorrect operation.
  </td></tr>
<tr><td>Please do not allow the reflective tape surrounding the board to become dirty, scratched or been plated with any objects. Or it may cause a sensor error or incorrect detection.
  </td><td>Keep the stylus pen and eraser in the pen holder when you are not using it.
  </td></tr>
<tr><td>Rubbing or striking the surface of the board with a finger nail or other hard object may result in scratching.
  </td><td>Please avoid direct sunlight to the screen of the whiteboard.
  </td></tr>
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